

STAFFORDSHIRE COUNTY COUNCIL.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH,

GEORGE REID, M.D., D.P.H.,

FOR THE YEAR 1914.

STAFFORD:

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STAFFORDSHIRE COUNTY COUNCIL.

ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH,

Presented to the Council at the Quarterly Meeting,

November 6th, 1915.

Introduction.

As regards this, my Twenty-sixth Annual Report, I regret to state that I have been compelled, owing to being engaged in military duties since August, 1914, to materially curtail the matter of the report, and have had to omit any reference in the text to the reports of the various district Medical Officers of Health. I give, however, a short summary of the work carried on by the Public Health Committee during the year extending from July 1st, 1914, to June 30th, 1915, together with the special summary tables dealing with the more important statistics.

At the same time, the annual reports of district Medical Officers of Health will not be overlooked, and the attention of the Public Health Committee will be called to matters of importance which they may contain, and to which it would appear that the special attention of the local authorities interested should be directed.

GEO. REID,

COUNTY MEDICAL OFFICER OF HEALTH.

Stafford,

September, 1915.

SUMMARY OF THE YEAR'S WORK OF THE PUBLIC HEALTH COMMITTEE OF THE COUNTY COUNCIL, WITH GENERAL COMMENTS ON PUBLIC HEALTH ADMINISTRATION.

The work of the Public Health Committee has, for the reason stated, been considerably curtailed. At the same time, matters which had previously been taken in hand have been advanced and, as far as possible, new work has been undertaken. For example, during the year detailed reports on the sanitary circumstances in the following districts have been presented :—Bilston, Perry Barr, Quarry Bank, and Short Heath, while in the case of other districts previously reported upon the matters referred to the respective Councils have been under the consideration of a special sub-committee appointed to deal with such reports. In addition the following urban districts have been re-inspected :—Audley, Biddulph, Kids Grove, and Rugeley.

The routine work under the Rivers Pollution Prevention Acts has proceeded on former lines. The systematic work of inspecting existing sewage disposal works has gone on uninterruptedly, and each year, as new works are completed, more and more time has to be devoted to this part of the work.

As regards sewage effluents, while special attention is directed to recently constructed works, the works which have been thoroughly established are by no means overlooked. All are systematically inspected by the County River Inspector, who at once reports to me any irregularities he observes. Needless to say, his visits are surprise ones, no previous notice being given of his intention to visit, and it speaks well for the good faith of the local authorities that his visits are hailed with appreciation rather than resentment.

It is customary to call the Public Health Committee's attention at the time to any serious irregularities which are noted in the management of sewage works, and the responsible Authorities in such cases are invariably communicated with. Many lesser irregularities noted, however, are satisfactorily dealt with by myself, without troubling the Committee, by merely calling the local surveyor's attention to them.

As regards the districts which drain into the River Tame further progress has been made. I am glad to be able to state that at the new and extensive works at Walsall the whole sewage is now being treated with satisfactory results. The contract for the new works for Darlaston has been let, but the construction work has not been commenced owing to the fact that the sanction for the necessary loan cannot be obtained under present circumstances.

The new works at Willenhall are now completed, and have recently been brought into operation.

From the new works at Bilston and Wednesbury, good effluents continue to be discharged. At Oldbury, I understand that an extension of the primary contact bed is in contemplation, owing to an increased flow of chemical waste. At Tipton, the work of making house connections is still proceeding, and the sewage of about one-half of the population is now said to be dealt with at the disposal works, which continue to discharge a satisfactory effluent.

As regards the County Borough of West Bromwich, I understand that a scheme for extending the existing sewage disposal plant is being prepared.

As regards the north of the County, the provision of a sewage disposal scheme for Audley has unavoidably been postponed owing to the fact that the Government, unless for urgent reasons, will not at the present time sanction any capital expenditure.

During the year two Statutory Inquiries have been held under the Isolation Hospital Acts with a view to securing adequate hospital accommodation for the isolation of general infectious cases, one at Uttoxeter to consider the formation of a joint area for the urban and rural districts, and the other at Dudley relating to a proposal to unite the urban districts of Coseley, Rowley Regis, Sedgley, and Tipton, for isolation hospital provision. Both these Inquiries were adjourned, in the first case to enable the authorities to present proposals satisfactory to the Com-

mittee, and in the second case to permit of negotiations being entered into with a view of including in the area proposed the county borough of Dudley. The Committee also felt that the matter was less pressing in view of the impossibility of obtaining sanction for loans at the present time.

Arising out of my annual report for last year, many matters have been dealt with affecting the following 15 districts:—Brierley Hill, Heath Town, Quarry Bank, Short Heath, Tipton, Uttoxeter, Wednesbury, and Wednesfield urban districts, and Gnosall, Leek, Lichfield, Seisdon, Stoke-on-Trent, Stone, and Uttoxeter rural districts.

The Council are again to be congratulated upon the success which has attended the arrangements for the gratuitous bacteriological examinations in suspected cases of diphtheria, enteric fever, and phthisis.

	DIPHTHERIA.				TUBERCLE.				ENTERIC FEVER.			
	Positive.	Negative.	Doubtful.	Total.	Positive	Negative.	Doubtful.	Total.	Positive.	Negative.	Doubtful.	Total.
Commencement of Scheme, Oct. 20, 1898, to June 30, 1899	110	101	1	212	...	...	...	...	...	...	...	...
{ From July 1, 1899, to June 30, 1900	196	180	2	378	...	...	...	...	...	...	...	...
{ From Jan., 1900, to June 30, 1900	...	...	...	...	9	14	...	23	5	4	...	9
From July 1, 1900, to June 30, 1901	350	350	30	730	30	70	...	100	36	36	2	74
" " 1901 " " 1902	190	367	14	571	25	67	...	92	26	32	3	61
" " 1902 " " 1903	247	421	...	668	45	77	...	122	8	41	...	49
" " 1903 " " 1904	183	324	...	507	41	107	...	148	3	34	4	41
" " 1904 " " 1905	231	494	22	747	36	100	...	136	8	24	...	32
" " 1905 " " 1906	271	469	15	755	56	103	...	159	13	34	4	51
<i>a</i> " " 1906 " " 1907	714	771	...	1485	82	120	...	202	18	45	...	63
<i>b</i> " " 1907 " " 1908	660	943	...	1603	47	103	...	150	5	33	1	39
" " 1908 " " 1909	333	637	...	970	48	155	...	203	15	132	3	150
" " 1909 " " 1910	350	904	1	1255	62	187	...	249	11	57	1	69
<i>c</i> " " 1910 " " 1911	442	1518	1	1961	55	196	1	252	13	69	3	85
<i>d</i> " " 1911 " " 1912	311	1035	...	<i>e</i> 1346	13	253	...	266	11	202	4	217 <i>f</i>
" " 1912 " " 1913	175	549	...	724	109	424	...	533	10	35	...	45
<i>i</i> " " 1913 " " 1914	449	1249	...	<i>g</i> 1698	102	536	...	638	4	51	...	55
" " 1914 " " 1915	471	1218	...	<i>h</i> 1689	110	410	...	520	21	52	...	73
Totals from commencement of Scheme to June 30, 1915	5683	11530	86	17299	870	2922	1	3793	207	831	25	1113

a Seven special examinations of Cerebro-Spinal fluid for Meningococcus,

b From this year onwards, excluding Smethwick, now a County Borough.

c Excluding five Pottery Towns which, with Hanley, now constitute the new County Borough of Stoke-on-Trent.

d Handsworth added to Birmingham C.B., November 9, 1911.

e Including 224 "Contacts."

f Including 109 Special Blood Examinations from Cheddleton Asylum.

g Including 185 "Contacts."

h Including 117 "Contacts."

i Twelve Special Examinations of Cerebro-Spinal fluid and swabs for Meningococcus.

It will be noticed that the very large increase previously recorded in the specimens submitted from suspected phthisical subjects continues, although the number is less this year as

compared with 1913-14. This is work which might be undertaken by the Joint Tuberculosis Committee, but up to the present time the staff available is inadequate, and this will probably be the case until the termination of the war.

With reference to the administration of the Midwives Act, 1902, the Council have already been informed as to the progress of the work in the two divisions of the County, but the following statement, which I have compiled from official returns and from information supplied by the Inspectors, will indicate the present position of the County as regards the number of midwives on the Register, and the number who have notified their intention to practise, as well as other details.

The number of certificated midwives on the Roll is 561, of whom 339 have notified their intention to practise, 126 being trained midwives. In addition to these, 37 midwives residing in county boroughs and adjoining counties have also notified their intention to practise within the administrative county.

The ages of midwives who were practising in the administrative county on the 30th June, 1915, are indicated in groups in the following table :—

DISTRICT.	25 to 45.	45 to 65.	65 and Upwards.
North	48	77	32
South	53	79	32
Total	101	156	64

This is the first occasion on which the ages of midwives have been classified, and as time goes on the comparative figures from year to year will become of interest.

As regards the number of cases attended by midwives during 1914 in the two areas respectively, the figures are as follows :—

	No. of Midwives.	Births attended.	Total Births.	Percentage attended by Midwives.	Mean number of cases attended by. Midwives
North	168	3943	6360	61.9	23.4
South	171	8453	12511	67.5	49.4

The total number of cases attended by midwives only in the Administrative County during 1914 was 12396, the total number of births registered being 18871. It thus appears that midwives attended approximately 65 per cent. of the total births in the county as compared with 63 per cent. in 1913.

During the period covered by this summary (July 1st, 1914, to June 30th, 1915), in compliance with the rules of the Central Midwives' Board, 1461 notifications have been received from certified midwives.

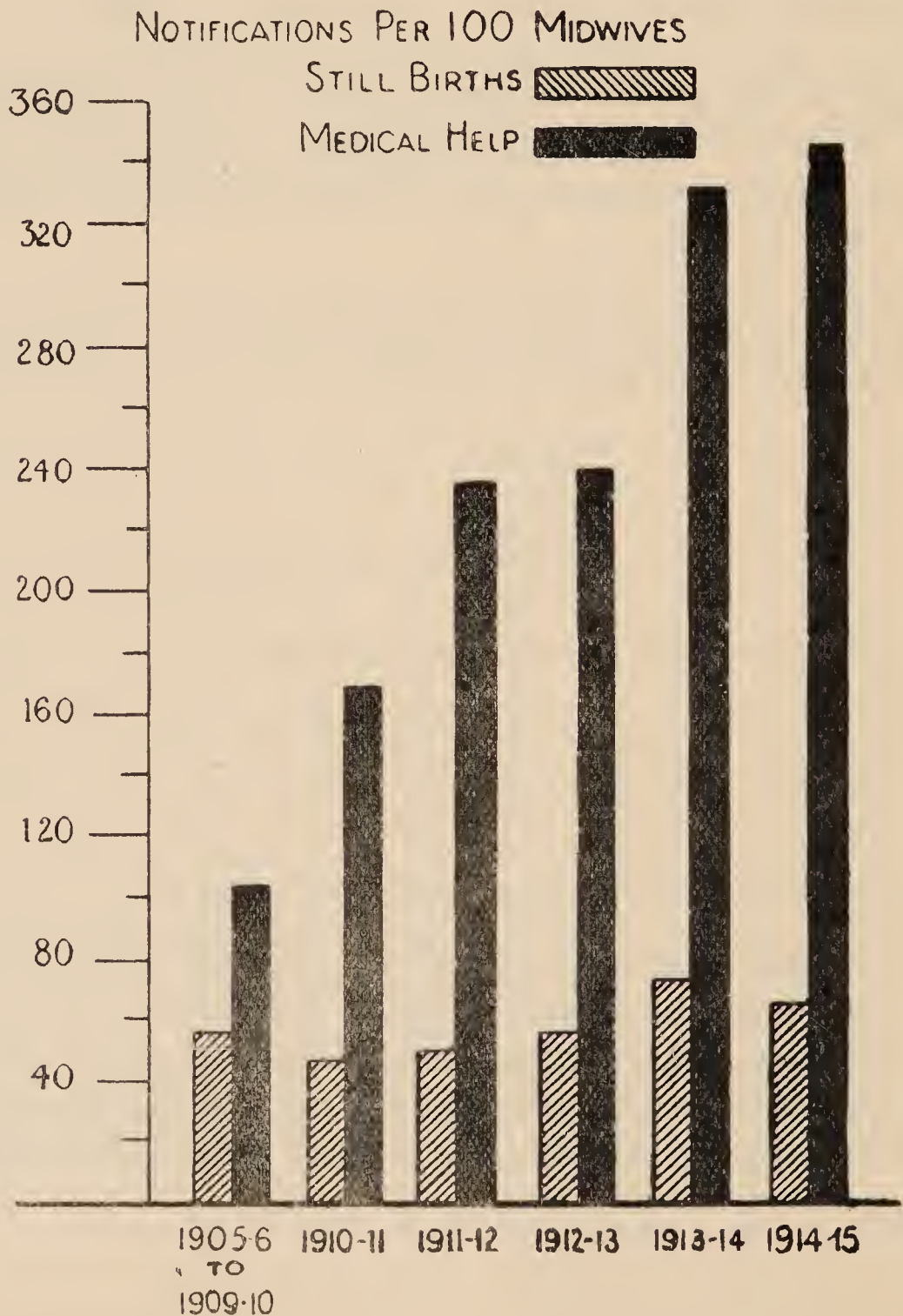
The following figures show the number and nature of notifications received during the past 10 years :—

	Mean for 5 years, 1905-6 to 1909-10.	1910-11	1911-12	1912-13	1913-14	1914-15.
Sending for medical help	547	695	924	893	1179	1204
Still Births	285	191	201	214	252	226
Death of Mother	3.4	5	3	3	2	1
Death of Child	37	37	37	36	35	30

As regards the steady increase in the notifications of sending for medical help, the figures are highly satisfactory, as we may fairly infer from it that midwives are benefiting by the instruction of the Inspectors, and are realising more and more the importance of not undertaking the sole care of cases presenting abnormal features.

These figures are all the more satisfactory in view of the fact that in 1907 Smethwick was constituted a County Borough, thus removing 40 certified midwives from the number under the control of the Local Supervising Authority of the County, and also because of the transference of 73 midwives to the Local Supervising Authority of the County Borough of Stoke-on-Trent, constituted in 1910, and the inclusion of Handsworth in the County Borough of Birmingham in November, 1911.

The significance of these figures becomes more apparent when represented in diagramatic form showing the relative proportion of medical help and still birth forms per 100 midwives in each year :—



It will thus be seen that while the notifications of still births were pretty constant, varying between the limits of 43 and 71, the corresponding figures of sending for medical help steadily progressed from 63 in 1905-6 to 355 in 1914-15, an increase of 463 per cent.

To some extent the marked increase during the past two years in the medical help cases may be accounted for by the Treasury maternity grant of 30s.

The following figures show the causes which occasioned the sending for medical help :—

Causes of sending for medical aid.	Northern District.	Southern District.	Total.
PREGNANCY :			
Abortion	29	35	64
Threatened abortion	—	4	4
Puffiness of face and hands	2	3	5
Premature birth	6	3	9
Fainting	1	—	1
Varicose Veins	3	—	3
Inertia	18	—	18
Placenta prævia	2	—	2
Fits	—	3	3
Vaginal discharge	—	2	2
Unsatisfactory condition	—	2	2
	61	52	113
LABOUR :			
Abnormal presentation	36	68	104
Delayed or difficult	100	191	291
Placenta prævia	—	5	5
Hæmorrhage ante	17	23	40
Ditto post	14	27	41
Eclampsia	2	4	6
Prolapse of cord	1	2	3
Lacerated perinæum	46	95	141
Retained placenta and membranes	44	44	88
Unsatisfactory condition	—	9	9
Cough	3	—	3
	263	468	731

Causes of sending for medical aid.					Northern District.	Southern District.	Total.
LYING-IN :							
High temperature	...	...			25	32	57
Inflamed and painful leg	...				3	—	3
Convulsions	...	...	...		1	1	2
Unsatisfactory condition	...				14	14	28
Offensive lochia	...	...	...		3	—	3
					46	47	93
CHILD :							
Deformities	...	...	...		11	15	26
Convulsions	...	...	...		6	14	20
Inflamed and discharging eyes	...				20	31	51
Feebleness and prematurity	...				41	97	138
Unsatisfactory condition	...				10	15	25
Rash	...	...	...	...	1	—	1
Pemphigus	...	...	...		—	5	5
Triplets	...	...	...	...	—	1	1
					89	178	267
GRAND TOTAL					459	745	1204

Unless reliable information is otherwise forthcoming, it is the routine practice to specially enquire into the circumstances attending all still-births reported by midwives, also, in special circumstances, inquiries are made into cases where medical help is sent for as well as when deaths of mothers or infants are reported, and it is the invariable practice when cases of puerperal fever attended by a midwife only in the first instance are reported to specially inquire into the circumstances. In the following table figures are given showing the number of ordinary visits paid by the Midwife Inspectors as well as special visits, the outcome of notifications received :—

VISITS OF INSPECTORS, NOTIFICATIONS, INQUIRIES, &C., DURING THE TWELVE MONTHS,
JULY 1ST, 1914, TO JUNE 30TH, 1915.

District	No. of Midwives on List.	Trained.	Un- trained.	Visits.	Inter- views.	Notifications.				Inquiries.					
						Medical Assis- tance.	Still Births.	Deaths.		Puer- peral Fever.	Medical Assis- tance.	Still Births.	Deaths.		Puer- peral Fever.
								Mother.	Child.				Mother.	Child.	
North ..	168	62	106	657	550	459	66	..	7	20	7	32	..	6	5
South ..	171	64	107	681	630	745	160	1	23	19	20	121	1	22	12
Total ..	339	126	213	1338	1180	1204	226	1	30	39	27	153	1	28	17

Besides such enquiries, reported irregularities to the number of 39 were specially investigated.

During the year 39 cases of irregular conduct were reported to the Local Supervising Authority. Thirty-one of these were dealt with by letters of caution from the County Medical Officer of Health ; two were formally censured by the Local Supervising Authority ; six were reported to the Central Midwives' Board. In two cases the names were removed from the Roll and the certificates cancelled ; in three others the midwives voluntarily surrendered their certificates, and in the remaining case the midwife died before the hearing by the Board. In addition to the above, three midwives voluntarily surrendered their certificates on account of ill-health and inability to comply with the Rules. In the two cases referred to in last year's report as having been adjourned for further consideration by the Board, the midwives were both deprived of their certificates.

Since the Act came into operation, the names of 71 midwives have been removed from the Roll as the result of representations to the Board by the Local Supervising Authority.

It would appear that the policy of the Local Supervising Authority in prosecuting women, who, though uncertificated, have practised as midwives has had the desired effect, for in only two cases had proceedings to be taken during the year under review.

During the year eight midwives have died. In addition to these, as the outcome of a special inquiry undertaken at the request of the Secretary of the Central Midwives Board for the purpose of correcting the Roll, it was discovered that ten midwives had died during preceding years whose deaths had not been reported to the Local Supervising Authority.

The following table shows particulars with regard to equipment, etc., of the certificated midwives :—

PARTICULARS AS TO EQUIPMENT AND EFFICIENCY OF MIDWIVES VISITED.

District.	Requirements.				No. reasonably clean as to		No. who can —			Reasonable knowledge as to Treatment of Mother and Infant Manage- ment.
	Washing Dresses and Aprons.	Bags Equipped.		Case Books and Forms.	Person.	Home.	Read Ther- mometer.	Read and Write.	Pass Cath- eter.	
		Fully.	Partially.								Nil.
North	166	160	7	1	156	154	155	140	76	150
South	171	130	41	Nil.	169	169	154	118	65	171

As regards the Sale of Food and Drugs Acts, the administration of the Acts in this County by the Public Health Committee of the County Council is highly efficient.

The County is divided into two areas under the charge of two Senior Inspectors, who have under them assistants, and who also have the power of appointing further temporary assistants as occasion requires. The work under the Weights and Measures Act is also under the same administration and staff.

As regards the number of samples collected, this County compares favourably, I think, with other counties. In the following table I have set forth the samples which were analysed during the year 1914, together with the results :—

	No. of Samples Sub- mitted.	No. Genuine.	No. Adulter- ated.	Cautions	Prosecu- tions.	Convic- tions.
Arrowroot ..	11	11	..	..	..	..
Beer	12	12	..	..	..	..
Bread	1	1	..	..	..	..
Butter	442	432	10*	1	3	3
Camphorated Oil..	1	1	..	..	..	..
Cayenne Pepper ..	6	6	..	..	..	..
Cheese	4	4	..	..	..	..
Cocoa	4	4	..	..	..	..
Coffee	58	57	1†	..	..	..
Cream	6	5	1‡	..	..	..
Cream (Preserved)	4	4	..	..	..	..
Dripping	6	6	..	..	..	..
Flour	13	13	..	..	..	..
Flour (Self-raising)	7	7	..	..	..	..
Ginger	1	1	..	..	..	..
Ginger (Ground) ..	27	27	..	..	..	..
Glycerine	5	5	..	..	..	..
Honey	3	3	..	..	..	..
Lard	120	120	..	..	..	..
Milk	907	840	67§	14	51	51
Mustard	16	16	..	..	..	..
Mustard condiment	1	1	..	..	..	..
Oatmeal	6	6	..	..	..	..
Olive Oil	6	6	..	..	..	..
Pearl Barley	24	17	7	4	3	3
Pepper	88	87	1	..	1	1
Rice	34	33	1	1	..	..
Salt of Tartar ..	4	1	3	1	2	2
Spirits	145	127	18	9	9	9
Tapioca	1	1	..	..	..	..
Tartaric Acid ..	6	6	..	..	..	..
Totals	1969	1860	109	30	69	69

* Six informal. †Sold with "notice" of admixture of chicory. No action taken. ‡Protected by label.
§ Two taken direct from cows.

Summary of Statistics with Comments.

Appended are tables showing the usual statistical matter, and concerning these I would merely make the following comments.

AREA AND POPULATION.

I have no alteration to record this year in the area of the Administrative County, neither have the areas of the constituent districts been altered since my last report.

The populations of the various districts are, for the purpose of this report, estimated to the middle of 1914, and are based on factors supplied to me by the Registrar-General, and which I passed on to the district medical officers of health who, with but few exceptions, have made use of the figures and worked out their rates upon them. The rates in this report are worked out on populations arrived at by using the Registrar-General's factors, and, to the extent that these factors have not been made use of by local medical officers of health, the rates in this report will differ from those in the reports for individual areas.

Again, as regards death-rates, factors for correction in accordance with age and sex constitution were also supplied to local medical officers of health, and although these were made use of in the local reports in a few instances only they have been used in calculating the general death-rates for this report, as is indicated in the general table in which the factors are given as well as the unaltered rates and those corrected for age and sex.

In the following table the census figures of the Administrative County for 1911, and the estimated population up to the middle of 1914 are set forth, the urban being distinguished from the rural districts :—

	Census, 1911.	Estimated to middle of 1914.	Increase.
Urban	459811	473274	13463
Rural	207232	212044	4812
Total	667043	685318	18275

BIRTHS.

The births registered in the Administrative County numbered 18,871, the number in the urban districts being 13,816 and in the rural districts 5,055.

The mean birth-rates in the whole Administrative County and in the urban and rural districts respectively, for five quinquennial periods and for the past year, are shown in the following table, in which corresponding rates in England and Wales and in the large towns in England, compiled from the Registrar-General's returns, are included :—

DISTRICTS.		BIRTH-RATE PER 1000 OF POPULATION.					
		5 Years 1889-1893.	5 Years 1894-1898.	5 Years 1899-1903.	5 Years 1904-1908.	5 Years 1909-1913.	1914.
Staffordshire	Combined Urban & Rural	33·6	33·2	32·5	30·3	27·8	27·5
	Urban	35·5	34·7	33·6	31·5	29·2	29·1
	Rural	30·2	30·5	30·2	27·0	24·4	23·8
England and Wales		30·8	29·7	28·7	26·9	24·5	23·8
Large Towns in England		31·5	30·7	29·7	27·8	25·2	25·0

It will be noticed that there is a slight decrease in the birth rates, more especially in rural areas this year compared with the previous quinquennial period.

DEATHS.

The number of deaths registered among persons belonging to the Administrative County amounted to 9,702, the number in the urban districts being 7,092, and in the rural districts 2,610.

In the following table comparative rates for five quinquennial peroids and for the past year are given, together with corresponding figures for the country as a whole, and for town and country districts throughout England. :—

		DEATH-RATE PER 1000 OF POPULATION.					
		5 Years 1889-1893.	5 Years 1894-1898.	5 Years 1899-1903.	5 Years 1904-1908.	5 Years 1909-1913.	1914.
Staffordshire	Combined Urban & Rural	18·1	16·9	16·1	14·6	14·1	14·1
	Urban	18·9	17·5	16·6	15·1	14·7	14·9
	Rural	16·8	15·7	15·1	13·4	12·7	12·3
England and Wales		19·1	17·4	16·9	15·3	13·9	14·0
Large Towns		21·0	19·0	18·2	15·8	14·3	14·7
Country Districts		17·6	15·9	15·7	14·9	13·6	13·4

It will be noticed that in the combined urban and rural areas the death rate this year is identical with the mean for the previous quinquennial period. In considering the urban and rural areas apart, however, it will be seen that there is an unimportant increase in the urban death rate and a slight decrease in the rural death rate.

There are many incidental circumstances, however, which influence the death-rate from year to year, and the only just way of arriving at an opinion is to compare the means of various periods. If this is done it will be seen from the above table that there has been a steady and highly satisfactory decline in the death-rates during the past five quinquennial periods.

The death-rates in urban and rural districts, together with the figures upon which they are based, are shown in the tables at the end of this report. In the following table the figures

are given for those urban districts in which the rates this year exceed 16.0 per 1,000, together with figures and remarks bearing on the influence which causes, preventable and more or less non-preventable, have had in causing such high rates. The districts are placed in order in accordance with the death-rates, the highest being placed first. The fact must not be overlooked, however, that there are other districts, besides those appearing in the table, in which the rates were by no means satisfactory, as a glance at the detail tables at the end of this report will show :—

DISTRICT.	Death rate per 1000 of Population.	Population estimated to middle of 1914.	Number of persons to the Acre.	Zymotic death-rate per 1000 of population.	Occupation, &c.	Increase over average of entire districts from the undermentioned diseases, affecting appreciably the general rate.				Position as regards mean death rate for previous 10 years.
						Measles.	Whooping Cough.	Diarrhæa and Enteritis.	Diseases of Respiratory Organs.	
Newcastle ...	18.6	20301	30.2	2.80	Working class	Considerable	—	slight	slight considerable	16.5
Willenhall ...	17.7	18958	14.8	1.74	„	—	—	slight	—	17.4
Wednesbury	17.4	28642	12.5	1.64	„	—	slight	slight	—	16.6
Bilston	17.3	26254	14.0	1.63	„	—	—	—	slight	19.0
Brierley Hill	17.3	12340	12.1	3.32	„	slight	—	—	—	15.5
Uttoxeter ...	17.3	5920	5.7	4.56	„	Very considerable	—	slight	—	14.1
Quarry Bank	16.4	7560	11.3	1.32	„	—	—	—	—	15.5
Darlaston ...	16.3	17703	19.3	1.75	„	—	—	slight	—	19.6
Coseley	16.1	23048	6.1	0.91	„	—	—	—	—	16.0

INFANTILE MORTALITY.

It is satisfactory to be able to record that the decline in infant mortality in the Administrative County during recent years has been maintained, the urban mortality being 120 this year compared with 128 the previous year, and the rural 85 compared with 89. As it cannot be said that the climatic conditions were by any means favourable to a low infant death-rate, one is inclined to hope that efforts in the direction of improving general sanitary conditions, and special efforts directed towards a reduction in this rate are beginning to manifest themselves.

ZYMOTIC DEATH-RATE.

The death-rate from zymotic diseases, including under that heading, according to the Registrar-General's classification, the seven principal ones, viz., small-pox, measles, scarlatina, diphtheria, fevers, whooping-cough, and diarrhoea, is slightly lower than the mean for the previous quinquennial period.

In the following table comparative figures are given for the five quinquennial periods from 1889 to 1913, and for the past year :—

DISTRICTS.		ZYMOTIC MORALITY PER 1000 OF POPULATION.					
		5 Years 1889-1893.	5 Years 1894-1898.	5 Years 1899-1903.	5 Years 1904-1908.	5 Years 1909-1913.	1914.
Staffordshire	Combined Urban and Rural	1.73	2.15	1.80	1.48	1.48	1.33
	Urban	1.98	2.54	2.07	1.73	1.75	1.59
	Rural	1.30	1.44	1.28	0.88	0.83	0.73
England and Wales		2.13	2.09	1.87	1.55	..	..
Large Towns in England ..		2.74	2.77	2.40	1.95	..	..

SPECIAL ZYMOTIC DEATH-RATE.

Small-pox.—Again the administrative county has been entirely free from small-pox. Sporadic cases of the disease, however, have occurred in different districts throughout England, and one anxiously scrutinizes the weekly returns of infectious cases distributed by the Local Government Board in order to note any cases which may occur in proximity to the county. Judging from past experience, sooner or later outbreaks will occur which will tax our resources to the utmost, having regard to the fact that the population is now so inadequately protected by vaccination.

Measles.—In the Administrative County, 178 deaths occurred from measles, as compared with 374 in 1913, equal to a rate per 1,000 of the population of 0.25, as against 0.55. Of these deaths, 154 occurred in the urban districts, or 0.32 per 1,000, and 24 in the rural districts, producing a rate of 0.11 per thousand.

In the following table corresponding figures are given for five quinquennial periods, and for the past year :—

MEASLES.		5 Years 1889-1893	5 Years 1894-1898.	5 Years 1899-1903.	5 Years 1904-1908.	5 Years 1909-1913.	1914.
Urban	Number of Deaths	195	239	188	211	268	154
	Rate per 1000	0.50	0.58	0.42	0.41	0.54	0.32
Rural	Number of Deaths	66	69	40	39	30	24
	Rate per 1000	0.29	0.30	0.17	0.19	0.14	0.11

Scarlet Fever.—In the Administrative County, 64 deaths occurred from scarlet fever, as compared with 40 in 1913, equal to a rate per 1,000 of the population of 0.09, as compared with 0.05. Of these deaths, 57 occurred in the urban districts, or 0.12 per 1,000, and 7 in the rural districts, producing a rate of 0.03 per 1,000. In the following table corresponding figures are given for five quinquennial periods, and for the past year :—

SCARLET FEVER.		5 Years 1889-1893.	5 Years 1894-1898.	5 Years 1899-1903.	5 Years 1904-1908.	5 Years 1909-1913.	1914.
Urban	Number of Deaths	76	95	87	56	43	57
	Rate per 1000	0.19	0.23	0.19	0.11	0.08	0.12
Rural	Number of Deaths	39	37	36	16	11	7
	Rate per 1000	0.17	0.16	0.15	0.08	0.05	0.03

Diphtheria and Membranous Croup.—In the Administrative County, 111 deaths occurred from diphtheria and membranous croup, as compared with 78 in 1913, equal to a rate per 1,000 of the population of 0.16 as against 0.11. Of these deaths, 76 occurred in the urban districts, or 0.16 per 1,000, and 35 in the rural districts, producing a rate of 0.16 per 1,000. In the

following table corresponding figures are given for five quinquennial periods, and for the past year :—

DIPHTHERIA.		5 Years 1889-1893.	5 Years 1894-1898.	5 Years 1899-1903.	5 Years 1904-1908.	5 Years 1909-1913.	1914.
Urban	Number of Deaths	16	79	91	84	56	76
	Rate per 1000	0.04	0.19	0.20	0.16	0.11	0.16
Rural	Number of Deaths	20	52	72	28	26	35
	Rate per 1000	0.09	0.23	0.31	0.14	0.12	0.16

Whooping Cough.—In the Administrative County, 162 deaths occurred from whooping cough, as compared with 131 in 1913, equal to a rate per 1,000 of the population of 0.23, as against 0.19. Of these deaths, 135 occurred in urban districts, or 0.28 per 1,000, and 27 in rural districts, producing a rate of 0.12 per 1,000. In the following table corresponding figures are given for five quinquennial periods, and for the past year :—

WHOOPIING COUGH.		5 Years 1889-1893.	5 Years 1894-1898.	5 Years 1899-1903.	5 Years 1904-1908.	5 Years 1909-1913.	1914.
Urban	Number of Deaths	182	172	152	175	132	135
	Rate per 1000	0.47	0.42	0.34	0.34	0.27	0.28
Rural	Number of Deaths	52	54	44	42	40	27
	Rate per 1000	0.22	0.24	0.19	0.20	0.19	0.12

Enteric Fever.—This disease, which must be looked upon as being entirely preventable, caused 25 deaths, compared with 19 in 1913, equal to a rate of 0.03, as against 0.02. Of these, 20 occurred in urban and 5 in rural districts, equalling a rate per 1,000 of the population respectively of 0.04 and 0.02. In the following table corresponding figures are given for five quinquennial periods, and for the past year :—

ENTERIC FEVER.		5 Years 1889-1893.	5 Years 1894-1898.	5 Years 1899-1903.	5 Years 1904-1908.	5 Years 1909-1913.	1914.
Urban	Number of Deaths	59	84	71	49	24	20
	Rate per 1000	0.15	0.20	0.16	0.09	0.05	0.04
Rural	Number of Deaths	29	19	22	6	9	5
	Rate per 1000	0.12	0.08	0.09	0.03	0.04	0.02

Diarrhœa and Enteritis.—In the Administrative County, 373 deaths occurred from diarrhœa and enteritis, compared with 460 in 1913, equal to a rate per 1,000 of the population of 0.54 as against 0.67. Of these deaths, 315 occurred in urban districts, or 0.66 per 1,000, and 58 in rural districts, producing a rate of 0.27 per 1,000. In the following table corresponding figures are given for five quinquennial periods and for the past year :—

DIARRHŒA.		5 Years 1889-1893.	5 Years 1894-1898.	5 Years 1899-1903.	5 Years 1904-1908.	5 Years 1909-1913.	1914.
Urban	Number of Deaths	242	359	336	309	336	315
	Rate per 1000	0.62	0.87	0.75	0.60	0.68	0.66
Rural	Number of Deaths	88	93	81	40	56	58
	Rate per 1000	0.38	0.41	0.35	0.20	0.27	0.27

Tuberculosis.—Since February 1st, 1913, Tuberculosis, which had been partially notifiable previously, became notifiable generally, both pulmonary and other forms.

In the following table figures are given showing the number of primary notifications received from medical practioners, medical officers of institutions, and school medical inspectors during the twelve months, sub-divided as regards sex, age periods, and locality of disease,

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1912.

Summary of Notifications during the period of twelve months from 4th January, 1914, to 2nd January, 1915.

Primary Notifications by Practitioners and Medical Officers of Institutions.													Primary Notifications by School Medical Inspectors.			
Age Periods ...	0	1	5	10	15	20	25	35	45	55	65 and up- wards.	Total.	Under 5	5 to 10	10 to 15	Total.
Pulmonary Males ..	2	10	36	32	56	63	122	93	75	32	8	529	1	37	36	74
Females ..	3	12	37	48	47	51	113	70	29	19	6	435	—	37	43	80
Non-pulm. Males ..	18	34	27	19	8	11	11	3	6	1	1	139	1	8	8	17
Females ..	9	20	20	15	14	13	8	4	3	1	—	107	—	10	8	18

It is interesting to note that fewer notifications have been received during the last 12 months than in the period of 11 months of the previous year after the coming into operation of compulsory notification of the disease, the relative figures being 1,399 compared with 1,722. No doubt the lower figures are explained by a surmise I made a year ago that the first year's figures would be higher than those of succeeding years, because they naturally would include a considerable number of cases of long standing.

GENERAL MORTALITY TABLES.

TABLES SHEWING THE RESULT OF WORKING
OF THE NOTIFICATION ACT.

NOTE.—In the following tables the individual zymotic mortality is given in order to indicate readily the class of disease that has mostly contributed to the gross rate. Apart from this, no accurate deductions can be drawn from such figures for one year only.

Table showing Population, Number of Persons per Acre, Birth and Death-rates, as well as the Death-rates at all ages and among Children under 1 year, and the Death-rates from Zymotic Diseases, Phthisis, Diseases of the Respiratory Organ, &c.

URBAN.

DISTRICT.	Population at all ages.		Number of persons per acre.	Birth-rate per 1000 of population.	General mortality per 1000 of population.	Standardizing Factor.	Standardized Death-rate.	Mortality in children under one year per 1000 registered births.	Zymotic mortality per 1000 of population.	Individual zymotic mortality per 1000 of population.						Phthisis.	Tuberculous Meningitis and other Tuberculous Diseases.	Cancer, Malignant Disease.	Bronchitis.	Pneumonia (all forms).	Other Diseases of Respiratory Organs.	Cirrhosis of Liver.	Alcoholism.	Nephritis and Bright's Disease.	Congenital Debility and Premature Birth.
	Census 1911.	Estimated to middle of 1914.								Smallpox.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria and Croup.	Enteric Fever.	Diarrhoea and Enteritis.									
Amblecote .	3155	3164	4·7	23·0	13·2	0·9881	13·0	136	2·21	...	0·63	...	0·94	0·31	...	0·31	0·94	0·31	2·52	1·58	0·31	...	...	...	0·94
Audley	14776	15156	1·8	28·9	13·7	1·0133	13·8	132	1·25	...	0·06	0·33	0·52	0·13	0·06	0·13	0·39	0·46	0·72	2·37	0·92	0·13	...	0·33	1·12
Biddulph .	7422	7831	1·3	28·8	12·8	0·9855	12·6	84	0·51	...	...	...	0·12	0·12	0·12	0·12	0·38	0·12	0·89	0·76	1·66	0·12	...	0·51	1·27
Bilston	25681	26254	14·0	32·8	17·5	0·9888	17·3	139	1·63	...	0·03	0·19	0·26	0·11	0·07	0·95	1·18	0·53	0·76	2·78	1·37	0·07	0·11	0·34	1·90
Brierley Hill	12263	12340	12·1	26·4	17·5	0·9898	17·3	122	3·32	...	0·64	0·24	0·32	1·62	...	0·48	0·97	0·24	0·97	1·62	0·97	0·08	0·08	0·40	1·29
Brownhills .	16852	17408	2·7	32·1	13·3	1·0174	13·5	104	0·57	...	...	0·05	...	0·23	...	0·28	0·63	0·23	1·14	1·09	1·43	0·05	...	0·40	1·55
Cannock	28586	30190	3·7	32·9	14·5	0·9913	14·3	129	2·71	...	0·86	0·46	0·16	0·36	...	0·86	0·43	0·23	0·49	0·86	1·39	0·29	...	0·06	1·45
Coseley	22834	23048	6·1	29·5	16·3	0·9886	16·1	126	0·91	...	0·13	0·08	...	...	0·08	0·60	0·95	0·26	0·82	1·30	1·95	0·08	...	0·26	1·43
Darlaston .	17107	17703	19·3	32·7	16·0	1·0202	16·3	143	1·75	...	...	...	0·39	0·11	0·05	1·18	1·29	0·62	0·96	1·80	1·58	...	...	0·11	2·37
Heath Town	12276	13262	14·9	25·8	11·7	1·0082	11·8	81	1·20	...	0·15	...	0·22	0·30	...	0·52	0·52	0·22	0·98	1·35	1·73	0·15	...	0·22	0·98
Kidsgrove .	9012	9253	2·9	29·6	14·4	0·9970	14·3	94	0·75	...	0·10	0·10	...	...	0·32	0·21	0·86	0·97	0·97	1·72	0·64	0·10	0·10	0·86	1·18

URBAN—continued.

District.	Population at all ages.		Number of persons per acre.	Birth-rate per 1000 of population.	General mortality per 1000 of population.	Standardizing Factor.	Standardized Death-rate.	Mortality in children under one year per 1000 registered births.	Zymotic mortality per 1000 of population.	Individual zymotic mortality per 1000 of population.							Phthisis.	Tuberculous Meningitis and other Tuberculous Diseases.	Cancer, Malignant Disease.	Bronchitis.	Pneumonia (all forms).	Other Diseases of Respiratory Organs.	Cirrhosis of Liver.	Alcoholism.	Nephritis and Bright's Disease.	Congenital Debility and Malformation, including Premature Birth.
	Census 1911.	Estimated to middle of 1914.								Smallpox.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria and Group.	Enteric Fever.	Diarrhoea and Enteritis.										
Leek	16663	17073	11·7	20·0	13·8	1·0028	13·8	105	0·93	...	0·05	0·05	0·35	...	...	0·46	1·46	0·29	0·82	0·70	1·05	0·17	0·11	..	0·23	0·93
Lichfield ...	8616	8864	2·5	21·4	11·5	0·8873	10·2	84	0·45	...	...	...	0·22	...	...	0·22	1·12	0·22	0·90	0·67	0·33	...	...	...	0·22	0·90
Newcastle .	20201	20301	30·2	27·4	18·9	0·9887	18·6	188	2·80	...	1·18	0·05	0·24	0·14	0·05	1·13	1·37	0·24	0·93	1·23	2·41	0·29	0·24	...	0·88	2·06
Perry Barr .	2403	2422	0·5	20·2	14·0	1·0642	14·8	81	2·47	...	1·65	...	0·82	...	...	...	1·23	...	0·41	1·23	1·23	...	0·82	...	0·82	0·41
Quarry Bank	7393	7560	11·3	30·2	16·5	0·9991	16·4	139	1·32	...	...	0·13	0·53	...	...	0·66	0·79	0·13	0·79	1·05	1·85	0·13	...	0·39	...	1·85
Rowley Regis	37000	37811	9·8	30·3	13·4	1·0209	13·6	112	1·56	...	0·34	0·18	0·45	0·05	...	0·52	0·60	0·31	0·92	1·82	1·21	0·10	0·15	...	0·42	1·58
Rugeley ..	4504	4524	6·9	25·4	17·4	0·9134	15·8	104	1·32	...	0·66	0·22	0·22	...	...	0·22	1·10	...	1·54	2·21	1·76	0·22	...	...	...	0·66
Sedgley ...	16527	16727	4·3	28·6	14·8	0·9906	14·6	118	1·01	...	0·53	0·18	0·06	0·12	...	0·12	0·65	0·12	0·53	0·95	1·85	...	0·18	...	0·23	2·09
Short Heath	4075	4264	4·0	31·4	15·7	0·9523	14·9	111	2·58	...	1·40	0·23	0·23	...	...	0·70	0·93	0·23	0·70	1·64	1·40	...	...	...	0·46	1·17
Smallthorne	13559	14458	5·3	30·9	13·6	1·0308	14·0	145	1·31	...	...	...	0·20	0·27	...	0·83	0·62	0·06	0·83	1·45	1·31	0·06	...	...	0·34	1·79
Stafford ...	*21856	*22963	22·2	25·2	13·5	1·0278	13·8	96	1·52	...	0·65	...	0·34	...	0·04	0·48	1·17	0·21	1·04	1·30	1·08	0·08	0·08	0·04	0·30	1·00
Stone	5688	5691	5·3	23·0	13·1	0·8798	11·5	68	0·87	...	0·87	...	...	...	...	...	0·52	0·52	0·87	0·35	0·70	...	0·17	...	0·52	0·52
Tamworth	7738	7900	27·8	23·2	11·6	0·9564	11·0	108	1·01	...	0·25	...	...	...	...	0·75	0·25	...	0·63	1·39	1·01	0·50	...	...	0·37	1·01
Tettenhall	5381	5396	3·5	22·2	12·7	0·9002	11·4	58	0·74	...	...	0·37	...	0·18	...	0·18	1·11	...	1·48	1·29	0·55	...	0·18	...	0·92	0·37

*Excluding persons in Public Institutions not belonging to the Borough.

URBAN—continued.

District.	Deaths from all causes.	Deaths from all causes at subjoined ages.								Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria and Croup.	Influenza.	Erysipelas.	Phthisis (Pulmonary Tuberculosis).	Tuberculous Meningitis.	Other Tuberculous Diseases.	Cancer, Malignant Disease.	Rheumatic Fever.	Meningitis.	Organic Heart Disease.	Bronchitis.	Pneumonia (all forms).	Other Diseases of Respiratory Organs.	Diarrhoea and Enteritis.	Appendicitis and Typhlitis.	Cirrhosis of Liver.	Alcoholism.	Nephritis and Bright's Disease.	Puerperal Fever.	Other Accidents and Diseases of Pregnancy and Parturition.	Congenital Debility & Malformation, including Premature Birth.	Violent Deaths, excluding Suicide.	Suicides.	Other Defined Diseases.	Diseases ill-defined or unknown.	
		Under 1 year.	1 and under 2 years.	2 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.	65 and upwards.																															
Leek	342	36	6	11	4	9	22	71	77	1	1	6	25	...	5	14	...	34	39	12	18	3	8	...	2	...	4	16	4	1	43	...	
Lichfield	190	15	4	...	1	1	13	20	48	...	...	...	...	2	...	5	...	10	1	1	8	...	...	...	12	6	3	...	2	...	...	1	...	8	2	...	39	...
Newcastle	557	105	26	26	18	13	51	48	98	1	...	24	1	5	3	3	1	28	2	3	19	1	4	36	25	49	6	23	5	...	18	2	1	42	14	2	67	...
Perry Barr	49	4	...	4	3	1	8	8	6	...	...	4	...	2	...	1	...	3	...	...	1	...	...	...	2	3	3	...	...	...	2	...	...	1	2	...	7	1
Quarry Bank .	229	32	9	7	7	3	11	22	34	...	...	...	1	4	...	...	...	6	...	1	6	1	2	6	8	14	1	5	...	2	...	...	...	14	7	4	22	18
Rowley Regis	1149	129	45	33	21	14	39	94	132	13	7	17	2	7	1	23	6	6	35	1	6	33	69	46	4	20	1	1	6	...	16	2	2	60	18	1	105	...
Rugeley	115	12	4	1	4	5	5	17	31	...	...	3	1	1	...	1	...	5	...	...	7	1	...	7	10	8	1	1	...	...	...	...	3	1	1	23	4	
Sedgeley	480	57	16	19	8	10	22	41	75	9	3	1	2	4	...	11	1	1	9	1	16	31	...	2	3	...	4	1	1	9	2	102	...	
Short Heath .	134	67	15	7	6	5	3	4	18	...	...	6	1	1	...	2	...	4	...	1	3	...	1	2	7	6	...	3	...	...	...	2	...	5	...	17	...	
Smallthorne .	448	65	13	11	3	8	14	39	44	...	...	...	...	3	4	...	...	9	...	1	12	...	5	5	21	19	1	12	...	...	...	1	26	9	...	49	13	
Stafford	580	312	56	19	10	14	10	52	93	1	...	15	...	8	...	2	1	27	2	3	24	1	2	26	30	25	2	11	1	1	2	1	23	10	1	78	7			
Stone	131	75	9	3	4	4	3	5	17	30	...	5	...	...	...	1	...	3	2	1	5	...	...	11	2	4	...	...	...	...	3	...	3	...	3	...	7	23
Tamworth ...	184	92	20	6	7	2	2	9	16	30	...	2	...	...	...	2	...	2	...	...	5	1	5	10	11	8	4	6	...	...	...	3	...	8	...	4	21	...
Tettenhall ...	120	69	7	2	1	3	7	14	32	...	...	...	2	...	1	1	...	6	...	...	8	...	...	9	7	3	...	1	...	1	1	...	5	...	...	1	13	8

URBAN—continued.

District.	Population at all ages.		Number of persons per acre.	Birth-rate per 1000 of population.	General mortality per 1000 of population.	Standardizing Factor.	Standardized Death-rate.	Mortality in children under one year per 1000 registered births.	Zymotic mortality per 1000 of population.	Individual zymotic mortality per 1000 of population.							Phthisis.	Tuberculous Meningitis and other Tuberculous Diseases.	Cancer, Malignant Disease.	Bronchitis.	Pneumonia (all forms).	Other Diseases of Respiratory Organs.	Cirrhosis of Liver.	Alcoholism.	Nephritis and Bright's Disease.	Congenital Debility and Malformation, including Premature Birth.	
	Census 1911.	Estimated to middle of 1914.								Smallpox.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria and Croup.	Enteric Fever.	Diarrhoea and Enteritis.											
Tipton	31756	32178	14·8	34·7	15·9	0·9735	15·4	125	2·26	...	0·21	...	0·59	0·12	0·12	1·21	0·71	0·21	0·74	1·39	1·08	0·06	0·12	0·06	0·06	0·21	1·55
Uttoxeter .	5717	5920	5·7	20·6	18·2	0·9543	17·3	172	4·56	...	2·70	...	0·33	0·50	...	1·01	0·84	...	1·18	1·18	1·85	0·16	0·16	0·16	1·35
Wednesbury	28103	28642	12·5	32·4	17·3	1·0071	17·4	138	1·64	...	...	...	0·59	0·07	0·03	0·94	1·25	0·66	0·83	0·97	1·36	0·13	0·10	0·07	0·41	1·85
Wednesfield	6488	7046	2·7	30·5	12·9	0·9747	12·5	79	0·99	...	...	...	0·42	0·14	...	0·42	1·70	0·14	0·56	0·70	0·56	...	...	0·14	0·28	1·13
Willenhall .	18844	18958	14·8	28·8	17·2	1·0304	17·7	98	1·74	...	...	0·31	0·21	0·10	...	1·10	1·10	0·68	0·89	2·42	1·58	0·36	0·05	...	1·05	0·89
Wolstanton.	27335	28967	5·3	28·1	12·9	1·0365	13·3	111	1·10	...	0·17	0·10	0·06	0·13	0·10	0·51	0·89	0·17	1·00	1·10	1·07	0·34	0·06	0·06	0·44	1·38	
Totals and Averages }	459811	473274	5·8	29·1	14·9	1·0001	14·9	120	1·59	...	0·32	0·12	0·28	0·16	0·04	0·66	0·89	0·31	0·87	1·41	1·33	0·14	0·10	0·03	0·37	1·48	
97 large towns in England, average population }	...	185367	†	25·0	14·7	...	15·0	114	†	0·00	0·35	0·09	0·25	0·16	0·04	†26·09	†	†	†	†	†	†	†	†	†	†	

† Not given in Registrar General's returns.

‡ Under 2 years; rate calculated to 1000 births (Corresponding urban rate in Administrative County 19·5)

URBAN—continued.

DISTRICT.	Deaths from all causes at subjoined ages.												Deaths from all causes.	Births.	Totals ...																										
	Under 1 year.	1 and under 2 years.	2 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.	65 and upwards.	Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.				Whooping Cough.	Diphtheria and Croup.	Influenza.	Erysipelas.	Phthisis (Pulmonary Tuberculosis).	Tuberculous Meningitis.	Other Tuberculous Diseases.	Cancer, Malignant Disease.	Rheumatic Fever.	Meningitis.	Organic Heart Disease.	Bronchitis.	Pneumonia (all forms).	Other Diseases of Respiratory Organs.	Diarrhœa and Enteritis.	Appendicitis and Typhitis.	Cirrhosis of Liver.	Alcoholism.	Nephritis and Bright's Disease.	Puerperal Fever.	Other Accidents and Diseases of Pregnancy and Parturition.	Congenital Debility & Malformation, including Premature Birth.	Violent Deaths, excluding Suicide.	Suicides.	Other Defined Diseases.	Diseases ill-defined or unknown.
Tipton	140	38	31	24	24	52	89	116	4	...	7	...	19	4	5	...	23	2	5	24	1	7	25	45	36	2	39	1	4	2	7	...	4	63	22	1	148	14			
Uttoxeter	21	14	12	7	2	7	16	29	16	...	2	3	5	7	...	1	6	7	11	6	1	...	1	1	8	33	...		
Wednesbury...	129	28	25	24	24	45	106	116	1	...	...	...	17	2	3	1	36	7	12	24	1	8	38	28	39	4	27	1	3	2	12	...	4	53	12	1	161	...
Wednesfield ...	17	5	4	6	5	16	15	23	...	...	...	...	3	1	...	...	12	...	1	4	1	1	10	5	4	...	3	2	...	1	2	...	1	8	1	...	26	5
Willenhall	54	14	17	16	16	66	71	73	...	...	...	6	4	2	4	...	21	10	3	17	1	3	22	46	30	7	21	4	1	...	20	2	6	17	7	1	42	30
Wolstanton....	91	19	18	18	13	47	74	96	3	...	5	3	2	4	...	...	26	3	2	29	1	6	28	32	31	10	15	1	2	2	13	1	5	40	10	2	65	35	
Totals ...	1671	422	389	329	286	785	1322	1888	20	...	154	57	135	76	84	9424	58	90	412	24	105	512	671	633	67	315	21	51	17	177	20	42	701	235	52	1741	189				

RURAL.

District.	Population at all ages.		Mean area per person in acres.	Birth-rate per 1000 of population.	General mortality per 1000 of population.	Standardizing Factor.	Standardized Death-rate.	Mortality in children under one year per 1000 registered births.	Zymotic mortality per 1000 of population	Individual zymotic mortality per 1000 of population.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	Census 1911.	Estimated to middle of 1914.								Smallpox.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria and Croup.	Enteric Fever.	Diarrhoea and Enteritis.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Blore Heath	2287	2338	5·8	14·9	13·6	0·8432	11·4	57	0·42</

* Excluding 1000 Inmates of Burntwood Asylum.

RURAL—continued.

District.	Population at all ages.		Mean area per person in acres.	Birth-rate per 1000 of population.	General mortality per 1000 of population.	Standardizing Factor.	Standardized Death-rate.	Mortality in children under one year per 1000 registered births.	Zymotic mortality per 1000 of population.	Individual zymotic mortality per 1000 of population.							Tuberculous Meningitis and other Tuberculous Diseases.	Cancer, Malignant Disease.	Bronchitis.	Pneumonia (all forms).	Other Diseases of Respiratory Organs.	Cirrhosis of Liver.	Alcoholism.	Nephritis and Bright's Disease.	Congenital Debility and Malformation, including Premature Birth.
	Census 1911.	Estimated to middle of 1914.								Smallpox.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria and Croup.	Enteric Fever.	Diarrhoea and Enteritis.									
Stoke-on-Trent	4774	4946	0·6	28·1	14·5	0·9773	14·1	151	2·62	...	...	0·20	...	2·22	...	0·20	...	0·40	1·21	0·80	...	...	..	0·60	2·02
Stone	14387	14536	4·6	21·3	12·5	0·8990	11·2	61	0·55	...	0·13	0·06	0·13	0·06	0·06	0·06	0·13	1·65	1·10	0·55	...	0·06	...	0·20	0·55
Tamworth (Staffs. par.)	5113	5222	4·1	21·6	8·6	0·8927	7·6	79	0·38	...	...	...	...	...	...	0·38	...	0·95	0·38	0·19	...	0·19	...	...	0·95
Tutbury	9087	9070	2·8	18·9	12·1	0·9221	11·1	69	0·44	...	...	...	0·33	...	...	0·11	0·33	1·32	0·55	0·77	...	0·22	...	0·22	0·55
Uttoxeter ...	8152	8160	5·8	18·0	13·2	0·9186	12·1	129	0·61	...	0·36	...	0·12	0·12	...	...	0·12	1·10	0·49	0·85	...	0·24	0·12	...	1·47
Walsall	10991	11235	1·0	30·1	11·2	0·9746	10·9	73	0·44	...	0·17	...	0·17	...	...	0·09	0·35	0·80	0·97	0·89	...	0·17	...	0·09	1·33
Totals and Averages	207232	212044	2·9	23·8	12·3	0·9262	11·3	85	0·73	...	0·11	0·03	0·12	0·16	0·02	0·27	0·20	0·93	0·92	0·79	0·05	0·10	0·00	0·24	0·49

INFANTILE MORTALITY DURING THE YEAR 1914.

Nett Deaths from stated Causes at various ages under One Year of Age.

URBAN.

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 4 Weeks.	4 Weeks and under 3 months.	3 Months and under 6 Months.	6 Months and under 9 Months.	9 Months and under 12 Mths.	Total Deaths under One Year.
Small-pox
Chicken-pox
Measles	1	1	3	...	8	16	28
Scarlet Fever	1	3	4
Whooping Cough	1	3	4	19	21	13	14	71
Diphtheria and Croup	1	1	3	5
Erysipelas
Tuberculous Meningitis	1	5	6	4	16
Abdominal Tuberculosis...	2	3	3	6	14
Other Tuberculous Diseases	1	1	...	6	4	6	17
Meningitis (<i>not Tuberculous</i>)	1	13	9	6	29
Convulsions ...	23	4	5	...	32	16	24	14	16	102
Laryngitis
Bronchitis	1	5	5	11	43	27	34	27	142

URBAN—continued.

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 4 Weeks.	4 Weeks and under 3 months.	3 Months and under 6 Months.	6 Months and under 9 Months.	9 Months and under 12 Mths.	Total Deaths under One Year.
Pneumonia (all forms) ...	...	2	3	3	8	22	41	47	46	164
{ Diarrhoea ...	1	...	2	2	5	30	30	16	18	99
{ Enteritis ...	2	1	5	2	10	25	32	33	13	113
Gastritis ...	...	...	3	1	4	6	1	5	1	17
Syphilis ...	...	3	...	2	5	8	4	...	1	18
Rickets ...	1	...	...	...	1	...	1	...	2	4
Suffocation, overlying ...	5	1	2	2	10	8	8	1	1	28
Injury at Birth ...	4	2	...	...	6	...	...	...	...	6
Atelectasis ...	5	1	1	2	9	1	...	...	...	10
{ Congenital Malformations ...	32	7	4	5	48	10	3	1	1	63
{ Premature Birth ...	208	21	14	12	255	16	6	3	...	280
{ Atrophy, Debility and Marasmus ...	101	28	16	23	168	82	53	24	14	341
Other Causes ...	20	11	6	4	41	20	19	13	7	100
Totals ...	402	82	67	68	619	313	298	236	205	1671

INFANTILE MORTALITY DURING THE YEAR 1914.
Nett Deaths from stated Causes at various ages under One Year of Age.

RURAL.

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 4 Weeks.	4 Weeks and under 3 months.	3 Months and under 6 Months.	6 Months and under 9 Months.	9 Months and under 12 Mths.	Total Deaths under One Year.
Small-pox
Chicken-pox	1	...	1
Measles	4	2	6
Scarlet Fever	1	...	1
Whooping Cough	1	1	5	2	6	3	17
Diphtheria and Croup	1	...	1
Erysipelas	1	1	...	...	...	...	1
Tuberculous Meningitis	2	...	2
Abdominal Tuberculosis	1	1	...	2
Other Tuberculous Diseases	3	1	...	...	4
Meningitis (<i>not Tuberculous</i>)	2	...	5	3	10
Convulsions	3	4	2	1	10	5	3	4	4	26
Laryngitis	1	2	...	3
Bronchitis	...	2	1	1	4	9	3	4	6	26

RURAL—continued.

CAUSE OF DEATH.		Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 4 Weeks.	4 Weeks and under 3 months.	3 Months and under 6 Months.	6 Months and under 9 Months.	9 Months and under 12 Mths.	Total Deaths under One Year.
Pneumonia (all forms)	...	...	1	2	1	4	4	8	11	7	34
Diarrhoea	...	1	...	...	1	2	4	8	1	1	16
Enteritis	...	...	1	...	...	1	4	7	2	3	17
Gastritis	...	...	...	...	...	...	3	1	3	1	8
Syphilis	...	...	...	...	1	1	2	1	...	...	4
Rickets	...	...	...	...	...	...	...	...	3	2	5
Suffocation (overlying)	...	1	...	1	1	3	3	...	...	1	7
Injury at Birth	...	1	...	...	...	1	...	...	...	...	1
Atelectasis	...	1	1	1	...	3	...	1	...	1	5
Congenital Malformations	...	12	2	3	...	17	4	...	1	...	22
Premature Birth	...	64	14	10	1	89	3	2	...	...	94
Atrophy, Debility and Marasmus	...	31	8	6	7	52	11	15	3	3	84
Other Causes	...	7	5	2	...	14	6	9	3	3	35
Totals	...	121	38	28	16	203	68	63	58	40	432

NOTE.—Cases of Measles and Whooping Cough are only given when these are included in the diseases compulsorily notified. Small-pox, Scarlet Fever, Diphtheria, and Fevers alone are included in the percentage calculation of hospital cases.

In those districts against which an asterisk is placed, hospitals either exist or provision for isolation is made with other authorities _____

URBAN.

[illegible]

URBAN—continued.

District, Population, Percentage of Cases treated in Hospital.		Smallpox.	Scarlatina.	Diphtheria (including Membranous Group).	Typhus Fever.	Enteric Fever.	Continued Fever.	Relapsing Fever.	Puerperal Fever.	Cholera.	Erysipelas.	Phthisis.	Other Tuber- culous Dis- eases.	Acute Polymyeltis.	Cerebro-spinal Meningitis.	Ophthalmia Neonatorum.	Measles.	Whooping Cough.
BILSTON.* 26,254. 66·6.	Cases	Under 5 5 and upwards	12 32	5 11	... ...	1 8	... ...	... ...	... 2	... ...	... 7	2 66	5 8	1 ...	... ...	3...	......	...
	Deaths	Under 5 5 and upwards	3 2	1 2	... ...	... 2	... ...	... ...	... 1	... ...	... ...	1 30	10 4	... ...	... ...	... ...	... 1	6 1
	Cases treated in hos- pital.....	Under 5 5 and upwards	34	6	... }	6	... }	... }	... }	... }	... }	... }	... }	1 }	... }	... }	... }	...
BRIERLEY HILL.* 12,340. 57·5.	Cases	Under 5 5 and upwards	14 43	26 61	... ...	... 2	... ...	... ...	... 1	... ...	2 10	2 43	2 6	......	......	......	......	...
	Deaths	Under 5 5 and upwards	3 ...	10 10	... ...	... ...	... ...	... ...	... ...	... ...	... 2	... 12	3 ...	... ...	... ...	... ...	8 ...	4 ...
	Cases treated in hos- pital.....	Under 5 5 and upwards	44	38	... }	2	... }	... }	... }	... }	... }	... }	... }	... }	... }	... }	... }	...
BROWNHILLS.* 17,408. Nil.	Cases	Under 5 5 and upwards	16 53	15 52	... ...	... ...	... ...	... ...	... 2	... ...	... 11	... 20	... 6	1...	......	......	......	...
	Deaths	Under 5 5 and upwards	1 ...	2 2	... ...	... ...	... ...	... ...	... 2	... ...	... 1	... 11	2 2	......	......	......	......	...
	Cases treated in hos- pital.....	Under 5 5 and upwards	...	...	... }	...	... }	... }	... }	... }	... }	... }	... }	... }	... }	... }	... }	...
CANNOCK.* 30,190. 8·8.	Cases	Under 5 5 and upwards	88 295	12 21	... ...	... 2	... ...	... ...	... 1	... ...	... 23	... 51	2 10	... ...	... ...	5...	......	...
	Deaths	Under 5 5 and upwards	7 7	6 5	... ...	... ...	... ...	... ...	... 3	... ...	... 1	1 12	4 3	... ...	... ...	... ...	24 2	5 ...
	Cases treated in hos- pital.....	Under 5 5 and upwards	28	8	... }	1	... }	... }	... }	... }	... }	... }	... }	... }	... }	... }	... }	...

District, Population, Percentage of Cases treated in Hospital.		Smallpox.	Scarlatina.	Diphtheria (including Membranous Croup).	Typhus Fever.	Enteric Fever.	Continued Fever.	Relapsing Fever.	Puerperal Fever.	Cholera.	Erysipelas.	Phthisis.	Other Tuber- culous Dis- eases.	Acute Poliomylitis.	Cerebro-spinal Meningitis.	Ophthalmia Neonatorum.	Measles.	Whooping Cough.
LEEK.* 17,073. 96·7.	Cases	Under 5 5 and upwards	19 70	1 3	...	...	...	...	2	...	21	44	6 10	...	...	...	...	...
	Deaths	Under 5 5 and upwards	1 ...	...	...	...	...	...	...	...	...	25	2 3	...	...	...	1 ...	6 ...
	Cases treated in hos- pital.....	Under 5 5 and upwards	87	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Cases	Under 5 5 and upwards	8 19	2	...	2	...	...	...	...	6	5 23	1 4	1	...	1	...	...
LICHFIELD.* 8,864. 83·8.	Deaths	Under 5 5 and upwards	...	...	...	...	...	...	...	...	...	10	2 ...	...	...	...	...	2 ...
	Cases treated in hos- pital.....	Under 5 5 and upwards	23	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...
	Cases	Under 5 5 and upwards	2 10	10 76	...	7	...	...	1	...	13	94	1 7	...	...	2	...	...
	Deaths	Under 5 5 and upwards	1 ...	1 2	...	1	...	...	2	...	1	28	2 3	...	...	...	23 1	5 ...
NEWCASTLE.* 20,301. 79·0.	Cases treated in hos- pital.....	Under 5 5 and upwards	6	75	...	2	...	...	...	...	...	...	...	...	...	...	...	...
	Cases	Under 5 5 and upwards	2 9	5	...	...	...	...	...	...	3	5	1...	...	...	...	...	...
	Deaths	Under 5 5 and upwards	...	...	...	...	...	...	...	...	...	3	...	...	...	...	3 1	1 1
	Cases treated in hos- pital.....	Under 5 5 and upwards	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
PERRY BARR.* 2,422. 12·5.	Cases	Under 5 5 and upwards	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Deaths	Under 5 5 and upwards	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Cases treated in hos- pital.....	Under 5 5 and upwards	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Cases	Under 5 5 and upwards	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

District, Population, Percentage of Cases treated in Hospital.	Cases	Deaths	Under 5	5 and upwards	Smallpox.	Scarlatina.	Diphtheria (including Membranous Croup).	Typhus Fever.	Enteric Fever.	Continued Fever.	Relapsing Fever.	Puerperal Fever.	Cholera.	Erysipelas.	Phtisis.	Other Tuber- culous Dis- eases.	Acute Polymyeltitis.	Cerebro-spinal Meningitis.	Ophthalmia Neonatorum.	Measles.	Whooping Cough.
SHORT HEATH.* 4,264. Nil.	Cases		Under 5	5 and upwards	...	6 23	...	...	...	...	...	...	...	...	1 4	...	...	...	1...	...	...
	Deaths		Under 5	5 and upwards	...	1	...	...	...	...	...	...	...	...	1 3	1 ...	...	...	...	5 1	1 ...
	Cases treated in hos- pital.....		Under 5	5 and upwards	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
SMALLTHORNE.* 14,458. 73·8.	Cases		Under 5	5 and upwards	...	4 11	6 20	...	1	...	...	2	...	2 10	1 12	...	...	...	...	...	...
	Deaths		Under 5	5 and upwards	...	...	3 1	...	...	...	...	2	...	...	...	...	...	...	...	...	3
	Cases treated in hos- pital.....		Under 5	5 and upwards	...	11	19	...	1	...	...	...	...	2	2	...	...	...	...	...	...
STAFFORD.* 22,963. 96·0.	Cases		Under 5	5 and upwards	...	5 29	2 14	...	1	...	...	2	...	...	1 71	3 15	...	...	4...	...	...
	Deaths		Under 5	5 and upwards	...	...	...	...	...	...	...	1	...	1	4 23	2 3	...	...	...	12 3	7 1
	Cases treated in hos- pital.....		Under 5	5 and upwards	...	32	16	...	1	...	...	...	...	...	...	...	...	...	...	...	...
STONE.* 5,691. 81·2.	Cases		Under 5	5 and upwards	...	5	10	...	1	...	...	...	...	2	21	3	...	...	...	...	...
	Deaths		Under 5	5 and upwards	...	...	...	...	...	...	...	...	...	...	...	2 1	...	...	...	3 2	1 ...
	Cases treated in hos- pital.....		Under 5	5 and upwards	...	5	7	...	1	...	...	...	...	...	...	...	...	...	...	...	...

URBAN—continued.

District, Population, Percentage of Cases treated in Hospital.		Smallpox.	Scarlatina.	Diphtheria (including Membranous Croup).	Typhus Fever.	Enteric Fever.	Continued Fever.	Relapsing Fever.	Puerperal Fever.	Cholera.	Erysipelas.	Phthisis.	Other Tuber- culous Dis- eases.	Acute Polymyelitis.	Cerebro-spinal Meningitis.	Ophthalmia Neonatorum.	Measles.	Whooping Cough.
WEDNESBURY.* 28,642. 1·6.	Cases	Under 5 5 and upwards	8 26	7 15	... ...	... 4	... ...	... ...	... 4	... ...	3 38	5 97	12 17	... ...	... ...	17...	......	...
	Deaths	Under 5 5 and upwards	... ...	1 1	... ...	... 1	... ...	... ...	... ...	... ...	1 ...	1 35	12 7	... ...	... ...	... ...	16 1	...
	Cases treated in hos- pital.....	Under 5 5 and upwards	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Cases	Under 5 5 and upwards	13 15	1 2	... ...	... ...	... ...	... ...	... ...	... ...	... 5	2 31	1 2	... ...	... ...	1...	......	...
WEDNESFIELD.* 7,046. Nil.	Deaths	Under 5 5 and upwards	... ...	1 ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	1 11	... 1	... ...	... ...	... ...	... ...	3 ...
	Cases treated in hos- pital.....	Under 5 5 and upwards	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Cases	Under 5 5 and upwards	44 77	3 4	... ...	... 1	... ...	... ...	... ...	... ...	... 16	... 85	6 22	... ...	... ...	1...	......	...
	Deaths	Under 5 5 and upwards	5 1	2 ...	... ...	... ...	... ...	... ...	... 2	... ...	1 ...	... 21	6 7	... ...	... ...	... ...	... ...	4 ...
WILLENHALL.* 18,958. Nil.	Cases treated in hos- pital.....	Under 5 5 and upwards	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Cases	Under 5 5 and upwards	18 58	13 32	... ...	... 6	... ...	... ...	... 4	... ...	... 23	1 31	4 2	... ...	... ...	10...	......	...
	Deaths	Under 5 5 and upwards	2 1	2 2	... ...	... 3	... ...	... ...	... 1	... ...	... ...	1 25	4 1	... ...	... ...	... ...	5 ...	1 1
	Cases treated in hos- pital.....	Under 5 5 and upwards	62	35	...	5	...	...	...	...	...	...	...	...	...	...	...	...
WOLSTANTON.* 28,967. 30·3.	Cases	Under 5 5 and upwards	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Deaths	Under 5 5 and upwards	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Cases treated in hos- pital.....	Under 5 5 and upwards	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Cases	Under 5 5 and upwards	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

RURAL.

[illegible]

District, Population, Percentage of Cases treated in Hospital.			Smallpox.	Scarlatina.	Diphtheria (including Membranous Group).	Typhus Fever.	Enteric Fever.	Continued Fever.	Relapsing Fever.	Puerperal Fever.	Cholera.	Erysipelas.	Phthisis.	Other Tuber- culous Dis- eases.	Acute Polymyelitis.	Cerebro-spinal Meningitis.	Ophthalmia Neonatorum.	Measles.	Whooping Cough.
KINGSWINFORD.* 21,244. 76·2.	Cases	Under 5 5 and upwards	... ...	54 121	6 15	... ...	... 2	... ...	... ...	... ...	... ...	... 13	1 31	4 7	... ...	... ...	1...	......	......
	Deaths	Under 5 5 and upwards	... ...	2 1	2 3	... ...	... 1	... ...	... ...	... ...	... ...	... ...	... 15	3 1	... ...	... ...	... ...	1 1	4 ...
	Cases treated in hos- pital.....	Under 5 5 and upwards	} ...	149	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
	Cases	Under 5 5 and upwards	... ...	10 61	10 34	... ...	... 1	... ...	... ...	... 1	... ...	... 9	... 6	... 3	... ...	... ...	3...	......	......
LEEK.* 15,863. 31·0.	Deaths	Under 5 5 and upwards	... ...	1 ...	1 2	... ...	... 1	... ...	... ...	... ...	... ...	... ...	... 4	3 5	......	......	......	......	......
	Cases treated in hos- pital.....	Under 5 5 and upwards	{ ...	29	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Cases	Under 5 5 and upwards	... ...	9 18	1 84	... ...	... 1	... ...	... ...	... 3	... ...	... 8	... 32	2 16	... ...	... ...	2...	......	......
	Deaths	Under 5 5 and upwards	... ...	... ...	3 5	... ...	... ...	... ...	... ...	... ...	... ...	... 1	... 13	1 3	... ...	... ...	... ...	4 3	3 ...
LICHFIELD.* 28,440. 32·7.	Cases treated in hos- pital.....	Under 5 5 and upwards	} ...	15	21	...	1	...	...	...	...	...	...	...	...	...	...	...	...
	Cases	Under 5 5 and upwards	... ...	1 ...	... ...	... ...	... ...	... ...	... ...	... 2	......	......	......	......	......	......	......	......	......
	Deaths	Under 5 5 and upwards	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... 1	... ...	... ...	... 2	... ...	... ...	... ...	... ...	... ...	1 ...
	Cases treated in hos- pital.....	Under 5 5 and upwards	} ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
MAYFIELD.* 3,867. Nil.	Cases	Under 5 5 and upwards	......	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Deaths	Under 5 5 and upwards	......	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Cases treated in hos- pital.....	Under 5 5 and upwards	} ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Cases	Under 5 5 and upwards	......	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

District, Population, Percentage' of Cases treated in Hospital.			Smallpox.	Scarlatina.	Diphtheria (including Membranous Croup).	Typhus Fever.	Enteric Fever.	Continued Fever.	Relapsing Fever.	Puerperal Fever.	Cholera.	Erysipelas.	Phtisis.	Other Tuber- culous Dis- eases.	Acute Polymyeltis.	Cerebro-spinal Meningitis.	Ophthalmia Neonatorum.	Measles.	Whooping Cough.
STONE.* 14,536. 77·7.	Cases	Under 5 5 and upwards	8	18	...	1	...	...	...	...	...	2	9	...	...	...	...	...	...
	Deaths	Under 5 5 and upwards	...	1	...	1	...	...	...	...	...	...	6	1	...	...	...	1	2
	Cases treated in hos- pital.....	Under 5 5 and upwards	6	14	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
	Cases	Under 5 5 and upwards	...	1	...	1	...	...	...	...	...	3	5	...	...	...	...	...	...
TAMWORTH.* 5,222. 60·0.	Deaths	Under 5 5 and upwards	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...
	Cases treated in hos- pital.....	Under 5 5 and upwards	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Cases	Under 5 5 and upwards	1	5	...	...	...	...	...	...	...	4	5	1	...	...	...	...	...
	Deaths	Under 5 5 and upwards	...	...	...	...	...	...	...	...	...	...	6	2	...	...	...	...	3
TUTBURY.* 9,070. 84·6.	Cases treated in hos- pital.....	Under 5 5 and upwards	5	6	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
	Cases	Under 5 5 and upwards	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Deaths	Under 5 5 and upwards	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Cases treated in hos- pital.....	Under 5 5 and upwards	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
UTTOXETER. 8,160. Nil.	Cases	Under 5 5 and upwards	7	14	...	...	...	...	...	...	...	1	7	...	...	...	...	...	...
	Deaths	Under 5 5 and upwards	...	1	...	...	...	...	...	...	...	...	4	1	...	...	...	2	1
	Cases treated in hos- pital.....	Under 5 5 and upwards	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Cases	Under 5 5 and upwards	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

SUMMARY OF
SANITARY INSPECTORS' WORK.

URBAN.

District, Population, &c.	Dwelling-houses and Schools.				Lodging-houses.	Dairies and Milkshops.	Cowsheds.	Bakehouses.	Slaughterhouses.	Canal Boats.	Ashpits and Privies.	Deposits of refuse and manure.	Water-closets.	House drainage.			Pigsties.	Animals improperly kept.	Offensive trades.	Smoke nuisances.	Other nuisances.	Totals.	Unwholesome food.				Food and Drugs Act.				Precautions against infectious disease.																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	Foul conditions	Structural defects.	Overcrowding.	Unfit for habitation.										Defective Traps.	No disconnection.	Other faults.							Water supply.	Condemned by Magistrate.	Prosecutions for exposing for sale.	Convictions for exposing for sale.	Samples taken for analysis.	Number found adulterated, &c.	Proceedings taken.	Number of Convictions.	Samples of water taken for analysis.	Samples of water condemned as unfit for use.	Lots of infected bedding disinfected or destroyed.	Houses disinfected after infectious disease.	Schools disinfected after infectious disease.	Prosecutions for not notifying existence of infectious disease.	Convictions for not notifying existence of infectious disease.	Prosecutions for exposure of infected persons or things.	Convictions for exposure of infected persons or things.																																																																																																																																																																																																																																																																																																																																																																																																																																											
AMBLECOTE (3,164). Inspections and observations made	140	63	65	20	...	74	52	108	89	3	97	101	100	2	766	204	113	34	166	27	17	2	42	2

* Voluntarily Surrendered.

** 2 Wells Closed.

[illegible]

URBAN—continued.

District, Population, &c.	Dwelling-houses and Schools.				Lodging-houses.	Dairies and Milkshops.	Cowsheds.	Bakehouses.	Slaughterhouses.	Canal Boats.	Ashpits and Privies.	Deposits of refuse and manure.	Water-closets.	House drainage.				Water supply.	Pigsties.	Animals improperly kept.	Offensive trades.	Smoke nuisances.	Other nuisances.	Totals.							
	Foul conditions	Structural defects.	Overcrowding.	Unfit for habitation.										Defective Traps.	No disconnection.	Other faults.															
LICHFIELD (8,864).	Inspections and observations made	189 366	19	6	24	40	15	50	...	...	5	7	62	12	22	37	...	2	3	1	1 191	1052									
	Defects found...	189 1448	19	6	4		5	1	3	...	...	5	8	62	12	22	37	...	2	4	1	1 191	2020								
	Informal notices by inspector	189 366	19	6	4	5	1	3	...	...	5	7	62	12	22	37	...	2	3	1	1 191	936									
	Formal notices by authority	9	9	...	6	...	...	...	...	...	...	...	5	...	...	7	...	...	...	...	...	...	7	43							
	Nuisances abated after notice by inspector	180 357	19	...	4	5	1	3	...	...	5	7	57	12	22	30	...	2	3	1	1 184	893									
Ditto by authority	9	9	...	6	...	...	...	...	...	...	...	...	5	...	...	7	...	...	...	...	...	...	7	43							
NEWCASTLE (20,301).	Inspections and observations made	95 195	...	...	...	30	42	33	416	1 810	19	29	...	...	...	24	...	4	35	6 259	1998										
	Defects found...	44 96	3	...	...	...	4	2	6	...	584	10	15	...	...	12	...	2	3	...	116	897									
	Informal notices by inspector	44 96	3	...	...	...	4	2	6	...	584	10	15	...	...	12	...	2	3	...	116	897									
	Formal notices by authority	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Nuisance abated after notice by inspector	41 64	2	...	...	...	4	2	6	...	584	10	20	...	...	13	...	1	3	...	94	844									
Ditto by authority	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
PERRY BARR (2,422).	Inspections and observations made	224 224	50	50	...	...	29	...	...	...	150	25	10	224	224	224	47	61	61	...	240	1843									
	Defects found...	35 35	3	...	...	...	1	...	...	...	25	7	1	10	10	10	3	10	10	...	25	185									
	Informal notices by inspector	3 3	3	...	...	...	1	...	...	...	25	7	1	10	10	10	3	10	10	...	25	121									
	Formal notices by authority	32 32	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Nuisances abated after notice by inspector	3 3	3	...	...	...	...	...	...	...	25	7	1	10	10	10	3	10	10	...	25	120									
Ditto by authority	22 22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

District, Population, &c.	Dwelling-houses and Schools.				Lodging-houses.	Dairies and Milkshops.	Cowsheds.	Bakehouses.	Slaughterhouses.	Canal Boats.	Ashpits and Privies.	Deposits of refuse and manure.	Water-closets.	House drainage.				Water supply.	Pigsties.	Animals improperly kept.	Offensive trades.	Smoke nuisances.	Other nuisances.	Totals.							
	Foul conditions	Structural defects.	Overcrowding.	Unfit for habitation.										Defective Traps.	No disconnection.	Other faults.															
LICHFIELD (8,864).	Inspections and observations made	189 366	19	6	24	40	15	50	...	...	5	7	62	12	22	37	...	2	3	1	1 191	1052									
	Defects found...	189 1448	19	6	4		5	1	3	...	...	5	8	62	12	22	37	...	2	4	1	1 191	2020								
	Informal notices by inspector	189 366	19	6	4	5	1	3	...	...	5	7	62	12	22	37	...	2	3	1	1 191	936									
	Formal notices by authority	9	9	...	6	...	...	...	...	...	...	...	5	...	...	7	...	...	...	...	...	...	7	43							
	Nuisances abated after notice by inspector	180 357	19	...	4	5	1	3	...	...	5	7	57	12	22	30	...	2	3	1	1 184	893									
Ditto by authority	9	9	...	6	...	...	...	...	...	...	...	...	5	...	...	7	...	...	...	...	...	...	7	43							
NEWCASTLE (20,301).	Inspections and observations made	95 195	...	...	...	30	42	33	416	1 810	19	29	...	...	...	24	...	4	35	6 259	1998										
	Defects found...	44 96	3	...	...	...	4	2	6	...	584	10	15	...	...	12	...	2	3	...	116	897									
	Informal notices by inspector	44 96	3	...	...	...	4	2	6	...	584	10	15	...	...	12	...	2	3	...	116	897									
	Formal notices by authority	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Nuisance abated after notice by inspector	41 64	2	...	...	...	4	2	6	...	584	10	20	...	...	13	...	1	3	...	94	844									
Ditto by authority	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
PERRY BARR (2,422).	Inspections and observations made	224 224	50	50	...	...	29	...	...	...	150	25	10	224	224	224	47	61	61	...	240	1843									
	Defects found...	35 35	3	...	...	...	1	...	...	...	25	7	1	10	10	10	3	10	10	...	25	185									
	Informal notices by inspector	3 3	3	...	...	...	1	...	...	...	25	7	1	10	10	10	3	10	10	...	25	121									
	Formal notices by authority	32 32	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Nuisances abated after notice by inspector	3 3	3	...	...	...	...	...	...	...	25	7	1	10	10	10	3	10	10	...	25	120									
Ditto by authority	22 22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

District, Population, &c.	Dwelling-houses and Schools.				Lodging-houses.	Dairies and Milkshops.	Cowsheds.	Bakehouses.	Slaughterhouses.	Canal Boats.	Ashpits and Privies.	Deposits of refuse and manure.	Water-closets.	House drainage.				Water supply.	Pigsties.	Animals improperly kept.	Offensive trades.	Smoke nuisances.	Other nuisances.	Totals.							
	Foul conditions	Structural defects.	Overcrowding.	Unfit for habitation.										Defective Traps.	No disconnection.	Other faults.															
LICHFIELD (8,864).	Inspections and observations made	189 366	19	6	24	40	15	50	...	...	5	7	62	12	22	37	...	2	3	1	1 191	1052								
	Defects found...	189 1448	19	6	4		5	1	3	...	...	5	8	62	12	22	37	...	2	4	1	1 191	2020							
	Informal notices by inspector	189 366	19	6	4	5	1	3	...	...	5	7	62	12	22	37	...	2	3	1	1 191	936								
	Formal notices by authority	9	9	...	6	...	...	...	...	...	...	...	5	...	...	7	...	...	...	...	...	...	7	43						
	Nuisances abated after notice by inspector	180 357	19	...	4	5	1	3	...	...	5	7	57	12	22	30	...	2	3	1	1 184	893								
Ditto by authority	9	9	...	6	...	...	...	...	...	...	...	...	5	...	...	7	...	...	...	...	...	...	7	43						
NEWCASTLE (20,301).	Inspections and observations made	95 195	30	42	33	416	1 810	19	29	24	...	4	35	6 259	1998										
	Defects found...	44 96	3	4	2	6	...	584	10	15	12	...	2	3	...	116	897									
	Informal notices by inspector	44 96	3	4	2	6	...	584	10	15	12	...	2	3	...	116	897									
	Formal notices by authority	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Nuisance abated after notice by inspector	41 64	2	4	2	6	...	584	10	20	13	...	1	3	...	94	844									
Ditto by authority	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...										

District, Population, &c.	Dwelling-houses and Schools.				Lodging-houses.	Dairies and Milkshops.	Cowsheds.	Bakehouses.	Slaughterhouses.	Canal Boats.	Ashpits and Privies.	Deposits of refuse and manure.	Water-closets.	House drainage.			Water supply.	Pigsties.	Animals im- properly kept.	Offensive trades.	Smoke nuisances.	Other nuisances.	Totals.	Unwholesome food.				Food and Drugs Act.					Precaution, against infectious disease.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	Foul conditions	Structural defects.	Overcrowding.	Unfit for habitation.										Defective Traps.	No discon- nection.	Other faults.								No. of Seizures.	Condemned by Magistrate.	Prosecutions for exposing for sale.	Convictions for exposing for sale.	Samples taken for analysis.	Number found adulterated, &c.	Proceedings taken.	Number of convictions.	Samples of water taken for analysis.	Samples of water condemned as unfit for use.	Lots of infected bedding disinfected or destroyed.	Houses disinfected after infectious disease.	Schools disinfected after infectious disease.	Prosecutions for not notifying existence of infectious disease.	Convictions for not notifying existence of infectious disease.	Prosecutions for exposure of infected persons or things.	Convictions for exposure of infected persons or things.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
QUARRY BANK (7,560). Inspections and observations made Defects found... Informal notices by inspector Formal notices by authority Nuisances abated after notice by inspector Ditto by authority ...	108	173	36	84	...	36	107	47	160	...	750	20	36	26	2	25	12	25	5	47	...	1699	2</

* including surrenders.

** In three cases of exposure, parents cautioned by Public Health Committee.

District, Population, &c.	Dwelling-house and Schools.				Lodging-houses.	Dairies and Milkshops.	Cowsheds.	Bakehouses.	Slaughterhouses.	Canal Boats.	Ashpits and Privies.	Deposits of refuse and manure.	Water-closets.	House drainage.			Water supply.	Pigsties.	Animals improperly kept.	Offensive trades.	Smoke nuisances.	Other nuisances.	Totals.	Unwholesome food.				Food and Drugs Act.				Precautions against infectious disease.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	Foul conditions	Structural defects.	Overcrowding.	Unit for habitation.										Defective Traps.	No disconnection.	Other faults.								No. of Seizures.	Condemned by Magistrate.	Prosecutions for exposing for sale.	Convictions for exposing for sale.	Samples taken for analysis.	Number found adulterated, &c.	Proceedings taken.	Number of convictions.	Samples of water taken for analysis.	Samples of water condemned as unfit for use.	Lots of infected bedding disinfected or destroyed.	Houses disinfected after infectious disease.	Schools disinfected after infectious disease.	Prosecutions for not notifying existence of infectious disease.	Convictions for not notifying existence of infectious disease.	Prosecutions for exposure of infected persons or things.	Convictions for exposure of infected persons or things.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
STAFFORD (22,963).																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

*Two surrendered.

URBAN—continued.

[illegible]

District, Population, &c.	Dwelling-houses and Schools.				Lodging-houses.	Dairies and Milkshops.	Cowsheds.	Bakehouses.	Slaughterhouses.	Canal Boats.	Ashpits and Privies.	Deposits of refuse and manure.	Water-closets.	House drainage.			Animals improperly kept.	Offensive trades.	Smoke nuisances.	Other nuisances.	Totals.								
	Foul conditions	Structural defects.	Overcrowding.	Unfit for habitation.										Defective Traps.	No disconnection.	Other faults.													
WEDNESBURY (28,642).	Inspections and observations made	2549		279	86	95		129	218	8	350	11	40		}		12	19	17			3870							
	Defects found...	69		3	1	3		1	1		85	6	38			57	8	1	3			147	391						
	Informal notices by inspector	49		32	6	1	3	1	1		85	1	38			22	8	1	3			93	344						
	Formal notices by authority	21		30	2		3				27	5	42		7	7		3			53	200							
	Nuisances abated after notice by inspector	37		19	6	1	3	1	1		71	1	38		19	8	1	3			79	288							
	Ditto by authority ...	19		20	2		3				20	5	42		5	7		3			49	175							
WEDNESFIELD (7,046).	Inspections and observations made	21	310	5	310		12	22	3	8	196	4	167		}		62	38				1161							
	Defects found...	2	31	5	31			1			31	4	78			3	22	2				285							
	Informal notices by inspector	2		2				1				4	78			3	75	2				167							
	Formal notices by authority		31	3	31						31					22					118								
	Nuisances abated after notice by inspector	2		2				1				4	78		3	75	2				167								
	Ditto by authority ...		31	3	31						31					22					118								
WILLENHALL (18,958).	Inspections and observations made	108	179	88	27	7	20	13	43	151	569	57	489	18	1	145	5	5	22			9	152	2108					
	Defects found...	81	130	53	13			4	10		32	28	159	14	1	61	3	3	18			5	84	703					
	Informal notices by inspector	81	130	53	13			4	10		32	28	151	14	1	61	3	3	18			5	84	694					
	Formal notices by authority	12	3	9	13						3	2	5			5			1			1	5	60					
	Nuisances abated after notice by inspector	64	98	46	2			4	10		19	26	147	11	1	43	2	2	18			4	61	561					
	Ditto by authority ...	8	3	9	9						2	2	5			4			1			1	3	48					
Precautions against infectious disease.																						Lots of infected bedding disinfected or destroyed.	Houses disinfected after infectious disease.	Schools disinfected after infectious disease.	Prosecutions for not notifying existence of infectious disease.	Convictions for not notifying existence of infectious disease.	Prosecutions for exposure of infected persons or things.	Convictions for exposure of infected persons or things.	
Food and Drugs Act.																						Samples taken for analysis.	Number found adulterated, &c.	Proceedings taken.	Number of convictions.	Samples of water taken for analysis.	Samples of water condemned as unfit for use.		
Unwholesome food.																						No. of Seizures.	Condemned by Magistrate.	Prosecutions for exposing for sale.	Convictions for exposing for sale.				
724																						143	5						

URBAN—continued.

[illegible]

* 586 lbs. of beef surrendered and destroyed.

RURAL.

[illegible]

* En. pried.

**** W.C.'s fixed.**

Surrendered.

RURAL—continued.

[illegible]

RURAL—continued.

[illegible]

RURAL—continued.

[illegible]

* Included in Warwickshire Table.

[illegible]